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CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/KR2002/002111 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PCT/KR2002/002111 INTERNATIONAL FILING DATE O9 July 2002 TITLE OF INVENTION DEVICE FOR REDUCTION OF EXHAUST GAS AND FUEL ECONOMY FOR AN INTERNAL-COMBUSTION ENGINE APPLICANT(S) FOR DO/EO/US Sung Mo KIM Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: 1. This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. The US has been elected (Article 31). 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. is attached hereto (required only if not communicated by the International Bureau). b. has been communicated by the International Bureau. c. is not required, as the application was filed in the United States Receiving Office (RO/US).	ATTORNEY'S DOCKETUY BE 20906									
INTERNATIONAL APPLICATION NO.	U.S. APPLICATION NO. (If known, see 37 CFR 1.5)									
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An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).										
a. 🗀 is attached hereto.										
b. Light has been previously submitted under 35 U.S.C. 154(d)(4).										
	Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))									
b. Have been communicated by the International Bureau.										
c. Have not been made; however, the time limit for making such amendments has NOT expired.										
d. Light have not been made and will not be made.										
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).										
 9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. An English language translation of the annexes of the International Preliminary Examination Report under PCT 										
Article 36 (35 U.S.C. 371(c)(5)).	I									
Items 11 to 20 below concern document(s) or information included:	١									
11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.										
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.										
13. A preliminary amendment.										
14. — An Application Data Sheet under 37 CFR 1.76.										
15. A substitute specification.										
16. A power of attorney and/or change of address letter.										
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.	Ì									
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).										
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. Other items or information:										

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 2

PTO-1390 (Rev. 02-2005)
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	•	S. APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO.				ATTORNEY'S DOCKET NUMBER		
		10/520,906 PCT/KR2002/002111				CU-4045 WWP CALCULATIONS PTO USE ONLY		
		The following fees have been submitted					PTO USE ONLY	
	21. Basi	c national fee	\$300	\$				
	If International p PCT Article 3:	nination fee reliminary examin 3(1)-(4)	\$					
	Search fee (37 C International Sea	rch fee FR 1.445(a)(2)) h nal Searching Aut irch Report prepar is	\$					
	TOTAL OF 21, 22 and 23 =					\$		
	sequence lis	Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						
	Total Sheets	Extra Sheets		additional 50 or fraction p to a whole number)	RATE			
	- 100 =	/50 =			x \$250	\$		
		Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).				\$ 130.00		
Ī	CLAIMS	NUMB	ER FILED	NUMBER EXTRA	RATE	\$		
	Total claims		- 20 =		x \$50	\$		
	Independent clair	ms	- 3 =		x \$200	\$		
ı	MULTIPLE DEPI	ENDENT CLAIM(S	S) (if applicable)		+ \$360	\$		
ı		TOTAL OF ABOVE CALCULATIONS =						
ľ	Applicant cla	ims small entity st	ed by ½.	\$ 130.00 65.00				
ľ			\$ 65.00					
ı		f \$130.00 for furnitate (37 CFR 1.492	\$	_				
ı	Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +					\$	 	
						\$		
123	TUGE A MYPARK	008 ARYARRA 00000188 S0820908 TOTAL FEES ENCLOSED				\$ 65.00		
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	a. X A chec	k in the amount of	\$ 65.00	to cover the abo	ove fees is enclosed.	1		
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	d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.							
		n appropriate tim estore the Intern	(37 CFR 1.137(a) or (b)) must be filed				
ı	SEND ALL CORI	RESPONDENCE	70 (L. ()				
	Customer Number 26530							
	DIGNATURE TO THE					n 17 Do1-		
	224 South Michigan Avenue NAME Chicago, Illinois 60604 55523					n W. Park		
	(312)	427-1300	ON NUMBER					